BRUHATH BANGALORE MAHANAGARAPALIKE

YELAHANKA ZONE

1ST AND FINAL BILL

f Work: Improvements to roads and drains at SC/ST Area surrounding in ward No.3
Order No: BBMP/EE/YNK.D/EPMT-8/W.O/214 /2020-21, Dated: 13.01.2021
Code: 003-20-000266
e: P1878, 18per works (Bhagyajyothi Sooru/Neeru Yojane and General) (54 Lakhs / New Wards)
Cost: 99.90 Lakhs
lo: - EE/YNK/AS/34/2020-21, Dated: 28.08.2020
lo: - SE/YNK/TS/31/2020-21, Dated: 21.09.2020
ne of the Contractor: - Sri.Kumar B J (M/s K.B. Constructions)

Detailed Mesurements

m o	Description of Item	No	L	B	D1	D2	D(avg)	Unit	Qty	Rate in Rs	Amount in Lakhs
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification as per the directions of Engineer In-Charge										
	Qty Taken from Pre measurement Item No. 1 Page No.1 & 2							**Cum**	**1317.20**		
	Total =							**Cum**	**1317.20**	**203.45**	**267984.34**
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. As Per Engineer In-Charge										
	Qty Taken from Pre measurement Item No. 2 page No.3 & 4							**Cum**	**197.58**		
	Total =							**Cum**	**197.58**	**5339.14**	**1054907.28**
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications -do- Wall & bottom thickness 15cm as per the directions of Engineer In-Charge										
	For RCC Drain										
	For Bed Concrete										
	5th Main Road										
	From Yelahanka Main road to 1st Cross										
	LHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	1.00	0.15	0.15	0.15		4.50		
		1	6.70	0.95	0.15	0.15	0.15		0.95		
	RHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	1.00	0.15	0.15	0.15		4.50		
		1	8.60	0.95	0.15	0.15	0.15		1.23		
	From 1st Cross to 2nd Cross										
	LHS	1	30.00	0.95	0.15	0.16	0.16		4.42		
		1	26.30	0.95	0.15	0.15	0.15		3.75		
	RHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	25.00	0.95	0.15	0.15	0.15		3.56		
	From 2nd to 3rd Cross										
	LHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	1.00	0.15	0.15	0.15		4.50		
	RHS	1	9.20	0.95	0.15	0.15	0.15		1.31		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	1.00	0.15	0.15	0.15		4.50		
		1	14.00	0.95	0.15	0.15	0.15		2.00		
	From 3rd Cross to 4th Cross										
	LHS	1	30.00	0.95	0.15	0.15	0.15		0.68		
		1	30.00	1.00	0.15	0.15	0.15		0.68		

	Description of Item	No	L	B	D1	D2	D(avg)	Unit	Qty	Rate in Rs	Amount in Lakhs
		1	13.80	0.90	0.15	0.15	0.15		0.31		
	RHS	1	30.00	0.95	0.15	0.15	0.15		0.68		
		1	30.00	1.00	0.15	0.15	0.15		0.68		
		1	13.60	0.90	0.15	0.15	0.15		0.31		
	From 4th Cross to 5th Cross										
	LHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	15.20	0.95	0.15	0.15	0.13		2.17		
	RHS	1	30.00	1.00	0.15	0.15	0.15		4.50		
		1	15.80	0.95	0.15	0.15	0.15		2.25		
	From 5th Cross to 6th Cross										
	LHS	1	30.00	1.00	0.15	0.15	0.15		4.50		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	17.20	0.95	0.15	0.15	0.15		2.45		
	RHS	1	30.00	1.00	0.15	0.15	0.15		4.50		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	16.60	0.95	0.15	0.15	0.15		2.37		
	6th Main Road										
	From 5th Cross to 4th Cross										
	RHS	1	22.00	0.95	0.15	0.15	0.15		3.14		
	From 4th Cross to 3rd Cross										
	LHS	1	28.00	0.95	0.15	0.16	0.16		4.12		
		1	30.00	1.00	0.15	0.15	0.15		4.50		
		1	6.40	0.95	0.15	0.15	0.15		0.91		
	RHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	1.00	0.15	0.15	0.15		4.50		
		1	15.40	0.95	0.15	0.15	0.15		2.19		
	From 3rd Cross to 2nd Cross										
	LHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	12.20	0.95	0.15	0.15	0.15		1.74		
	RHS	1	30.00	1.00	0.15	0.15	0.15		4.50		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	13.80	0.95	0.15	0.15	0.15		1.97		
	From 2nd Cross to 1st Cross										
	LHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	25.00	0.95	0.15	0.15	0.15		3.56		
	RHS	1	30.00	1.00	0.15	0.15	0.15		4.50		
		1	27.00	0.95	0.15	0.15	0.15		3.85		
	From 1st Cross to yelahanka main road										
	LHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	1.00	0.15	0.15	0.15		4.50		
		1	6.00	0.95	0.15	0.15	0.15		0.86		
	RHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	1.00	0.15	0.15	0.15		4.50		
		1	6.00	0.95	0.15	0.15	0.15		0.86		
	For RCC Culvert										
a	**At 4th Cross to 6th Main Road**										
	Culvert-1	1	4.30	1.20	0.20	0.20	0.20		1.03		
b	**At 3rd Cross to 6th Main Road**										
	Culvert-2	1	4.30	1.20	0.20	0.20	0.20		1.03		
c	**At 2nd Cross to 6th Main Road**										
	Culvert-3	1	5.50	1.50	0.20	0.20	0.20		1.65		
	For Side Wall										
	5th Main Road										
	From Yelahanka Main road to 1st Cross										
	LHS	2	30.00	0.15	0.50	0.60	0.55		4.95		
		2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	6.70	0.15	0.60	0.65	0.63		1.26		
	RHS	2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	8.60	0.15	0.60	0.50	0.55		1.42		
	From 1st Cross to 2nd Cross										
	LHS	2	30.00	0.15	0.50	0.60	0.55		4.95		
		2	26.30	0.15	0.60	0.70	0.66		5.13		
	RHS	2	30.00	0.15	0.70	0.60	0.65		5.85		
		2	25.00	0.15	0.60	0.55	0.58		4.31		

	Description of Item	No	L	B	D1	D2	D(avg)	Unit	Qty	Rate in Rs	Amount in Lakhs
	From 2nd to 3rd Cross										
	LHS	2	30.00	0.15	0.55	0.60	0.58		5.18		
		2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	9.20	0.15	0.60	0.60	0.60		1.66		
	RHS	2	30.00	0.15	0.55	0.65	0.60		5.40		
		2	30.00	0.15	0.65	0.60	0.63		5.63		
		2	14.00	0.15	0.60	0.60	0.60		2.52		
	From 3rd Cross to 4th Cross										
	LHS	2	30.00	0.15	0.55	0.60	0.58		5.18		
		2	30.00	0.15	0.60	0.65	0.63		5.63		
		2	13.80	0.15	0.65	0.55	0.60		2.48		
	RHS	2	30.00	0.15	0.55	0.65	0.60		5.40		
		2	30.00	0.15	0.65	0.60	0.63		5.63		
		2	13.60	0.15	0.60	0.60	0.60		2.46		
	From 4th Cross to 5th Cross										
	LHS	2	30.00	0.15	0.60	0.65	0.63		5.63		
		2	15.20	0.15	0.65	0.60	0.63		2.85		
	RHS	2	30.00	0.15	0.60	0.55	0.58		5.18		
		2	15.80	0.15	0.55	0.55	0.55		2.61		
	From 5th Cross to 6th Cross										
	LHS	2	30.00	0.15	0.55	0.55	0.55		4.95		
		2	30.00	0.15	0.55	0.65	0.60		5.40		
		2	17.20	0.15	0.65	0.60	0.63		3.28		
	RHS	2	30.00	0.15	0.55	0.55	0.55		4.95		
		2	30.00	0.15	0.55	0.60	0.58		5.18		
		2	16.60	0.15	0.60	0.60	0.60		2.99		
	6th Main Road										
	From 5th Cross to 4th Cross										
	RHS	2	22.00	0.15	0.60	0.60	0.60		3.96		
	From 4th Cross to 3rd Cross										
	LHS	2	28.00	0.15	0.55	0.50	0.53		4.41		
		2	30.00	0.15	0.50	0.60	0.55		4.95		
		2	6.40	0.15	0.60	0.50	0.55		1.06		
	RHS	2	30.00	0.15	0.55	0.65	0.60		5.40		
		2	30.00	0.15	0.65	0.60	0.63		5.63		
		2	15.40	0.15	0.60	0.65	0.63		2.89		
	From 3rd Cross to 2nd Cross										
	LHS	2	30.00	0.15	0.60	0.65	0.63		5.63		
		2	30.00	0.15	0.65	0.65	0.65		5.85		
		2	12.20	0.15	0.65	0.70	0.68		2.47		
	RHS	2	30.00	0.15	0.50	0.60	0.55		4.95		
		2	30.00	0.15	0.60	0.40	0.50		4.50		
		2	13.80	0.15	0.40	0.40	0.40		1.66		
	From 2nd Cross to 1st Cross										
	LHS	2	30.00	0.15	0.65	0.70	0.68		6.08		
		2	25.00	0.15	0.70	0.55	0.63		4.69		
	RHS	2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	27.00	0.15	0.60	0.65	0.63		5.06		
	From 1st Cross to yelahanka main road										
	LHS	2	30.00	0.15	0.65	0.60	0.63		5.63		
		2	30.00	0.15	0.60	0.65	0.63		5.63		
		2	6.00	0.15	0.65	0.65	0.65		1.17		
	RHS	2	30.00	0.15	0.60	0.65	0.63		5.63		
		2	30.00	0.15	0.65	0.65	0.65		5.85		
		2	6.00	0.15	0.65	0.50	0.58		1.04		
	For RCC Culvert										
a	**At 4th Cross to 6th Main Road**										
	Culvert-1	2	4.30	0.30	0.60	0.60	0.60		1.55		
b	**At 3rd Cross to 6th Main Road**										
	Culvert-2	2	4.30	0.30	0.60	0.60	0.60		1.55		
c	**At 8th Main Road to 3rd Cross**										
	Culvert-3	2	5.50	0.30	0.60	0.60	0.60		1.98		
	For Culvert Ramp										
a	**At 4th Cross to 6th Main Road**										
	Culvert-1	1	4.30	0.78	0.10	0.20	0.15		0.50		
		1	4.30	0.85	0.10	0.20	0.15		0.55		

	Description of Item	No	L	B	D1	D2	D(avg)	Unit	Qty	Rate in Rs	Amount in Lakhs
	At 3rd Cross to 6th Main Road										
	Culvert-2	1	4.30	0.89	0.10	0.20	0.15		0.57		
		1	4.30	1.18	0.10	0.20	0.15		0.76		
	At 2nd Cross to 6th Main Road										
	Culvert-3	1	5.50	0.78	0.10	0.20	0.15		0.64		
		1	5.50	1.10	0.10	0.20	0.15		0.91		
	Infront of Houses Ramps										
		1	10.60	0.90	0.20	0.10	0.15		1.43		
		1	11.00	0.70	0.20	0.10	0.15		1.16		
		1	16.00	0.45	0.20	0.10	0.15		1.08		
		1	4.90	0.35	0.20	0.10	0.15		0.26		
		1	15.80	0.50	0.20	0.10	0.15		1.19		
		1	4.40	0.30	0.20	0.10	0.15		0.20		
	For Compound Wall Protection										
		1	30.00	0.48	0.20	0.10	0.15		2.14		
		1	7.00	0.25	0.20	0.10	0.15		0.26		
		1	4.40	0.25	0.20	0.10	0.15		0.17		
		1	3.30	0.15	0.20	0.10	0.15		0.07		
							Present Qty =	**Cum**	**435.28**		
							Limited Qty =	**Cum**	**431.19**	**7045.63**	**3038005.20**
4	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as per specification. as per the directions of Engineer In-Charge										
	Qty Taken from Pre measurement Item No. 4 Page No.5 to							**Tonne**	**28.35**		
							Total =	**Tonne**	**28.35**	**63745.96**	**1807197.97**
5	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Engineer In-Charge										
	For RCC Drain Covering Slab										
	5th Main Road										
	From Yelahanka Main road to 1st Cross										
	LHS	1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	6.80	0.90					6.12		
	RHS	1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	8.60	0.90					7.74		
	From 1st Cross to 2nd Cross										
	LHS	1	10.00	0.00					0.00		
		1	9.00	0.90					8.10		
		1	11.00	0.00					0.00		
		1	26.40	0.90					23.76		
	RHS	1	30.00	0.90					27.00		
		1	7.40	0.90					6.66		
		1	8.60	0.00					0.00		
		1	9.40	0.90					8.46		
	From 2nd to 3rd Cross										
	LHS	1	8.80	0.00					0.00		
		1	30.00	0.90					27.00		
		1	16.70	0.90					15.03		
		1	4.50	0.00					0.00		
		1	9.20	0.00					0.00		
	RHS	1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	14.00	0.90					12.60		
	From 3rd Cross to 4th Cross										
	LHS	1	6.00	0.90					5.40		
		1	24.00	0.00					0.00		
		1	30.00	0.90					27.00		

	Description of Item	No	L	B	D1	D2	D(avg)	Unit	Qty	Rate in Rs	Amount in Lakhs
		1	13.80	0.90					12.42		
	RHS	1	16.80	0.00					0.00		
		1	30.00	0.90					27.00		
		1	26.80	0.90					24.12		
	From 4th Cross to 5th Cross										
	LHS	1	30.00	0.90					27.00		
		1	15.20	0.90					13.68		
	RHS	1	30.00	0.90					27.00		
		1	15.80	0.90					14.22		
	From 5th Cross to 6th Cross										
	LHS	1	3.60	0.00					0.00		
		1	2.40	0.90					2.16		
		1	14.00	0.00					0.00		
		1	30.00	0.90					27.00		
		1	27.20	0.90					24.48		
	RHS	1	9.20	0.00					0.00		
		1	20.80	0.90					18.72		
		1	30.00	0.90					27.00		
		1	16.60	0.90					14.94		
	6th Main Road										
	From 5th Cross to 4th Cross										
	RHS	1	22.00	0.90					19.80		
	From 4th Cross to 3rd Cross										
	LHS	1	28.00	0.90					25.20		
		1	30.00	0.90					27.00		
		1	6.40	0.90					5.76		
	RHS	1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	15.40	0.90					13.86		
	From 3rd Cross to 2nd Cross										
	LHS	1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	12.20	0.00					0.00		
	RHS	1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	13.80	0.90					12.42		
	From 2nd Cross to 1st Cross										
	LHS	1	30.00	0.90					27.00		
		1	25.00	0.90					22.50		
	RHS	1	30.00	0.90					27.00		
		1	27.00	0.90					24.30		
	From 1st Cross to yelahanka main road										
	LHS	1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	6.00	0.00					0.00		
	RHS	1	30.00	0.00					0.00		
		1	30.00	0.90					27.00		
		1	6.00	0.90					5.40		
							Present Qty =	**Sqm**	**1049.85**	**2290.26**	**2404429.46**
6	Providing and fixing Precast RCC cover slabs of 250 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate)										
	For RCC Culvert										
a	**At 4th Cross to 6th Main Road**										
	Culvert-1	1	4.30	1.20					5.16		
b	**At 3rd Cross to 6th Main Road**										
	Culvert-2	1	4.30	1.20					5.16		
	At 2nd Cross to 6th Main Road										
	Culvert-3	1	5.50	1.20					6.60		
	Missing Slabs										

m o	Description of Item	No	L	B	D1	D2	D(avg)	Unit	Qty	Rate in Rs	Amount in Lakhs
	From 4th Main Road to 1st Cross Road	4	1.20	0.60					2.88		
	From 3rd Main to 1st Cross Road	5	1.20	0.60					3.60		
	From 3rd Main Road to 1st Cross Road	6	1.20	0.60					4.32		
							Present Qty =	Sqm	27.72	5309.64	147183.22
										Total	8719707.47
										GST Charges 12%	1046364.90
										Grand Total	9766072.36

C&FC

Assistant Engineer
Ward No.03
9/4/2021

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
Assistant Executive Engineer
Yelahanka Satellite Town Sub-Division
9/4/2021